

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 25, 2002, 06:12:10 ; Search time 48.54 Seconds
(without alignments)
5424.786 Million cell updates/sec

Title: US-09-811-118-2

Perfect score: 1072

Sequence: 1 GAGCGCCGACCTCCGAC.....TTGCATCCACATGATTTTC 1072

Scoring table: OLIGO_NUC

Searched: 383533 seqs, 122816752 residues

Word size: 0

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database:

Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/Dackfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1072	100.0	1072	4	US-09-088-549-2	Sequence 2, Appl1
2	19	1.8	2000	1	US-07-923-739-1	Sequence 1, Appl1
3	18	1.7	4403765	4	US-09-103-840A-2	Sequence 2, Appl1
4	18	1.7	1763	6	5198542-1	Patent No. 5198542
5	18	1.7	2214	3	US-08-864-038A-1	Sequence 1, Appl1
6	18	1.7	2562	1	US-08-146-421-4	Sequence 4, Appl1
7	18	1.7	3331	3	US-08-864-038A-2	Sequence 2, Appl1
8	18	1.7	3331	3	US-08-864-038A-4	Sequence 4, Appl1
9	18	1.7	3494	4	US-09-139-802-200	Sequence 200, App
10	17	1.6	39	5	PCT-US95-06726-1	Sequence 1, Appl1
11	17	1.6	203	3	US-09-188-930-101	Sequence 101, App
12	17	1.6	435	4	US-08-569-147-75	Sequence 75, Appl
13	17	1.6	660	1	US-08-555-678-41	Sequence 41, Appl
14	17	1.6	1443	2	US-08-454-557C-13	Sequence 13, Appl
15	17	1.6	1443	2	US-08-340-426D-13	Sequence 13, Appl
16	17	1.6	1443	5	US-08-450-673C-13	Sequence 13, Appl
17	17	1.6	1443	5	PCT-US95-1711A-13	Sequence 13, Appl
18	17	1.6	1469	3	US-08-906-791-3	Sequence 3, Appl1
19	17	1.6	1503	4	US-09-111-730-3	Sequence 3, Appl1
20	17	1.6	1575	1	US-08-375-709-18	Sequence 18, Appl
21	17	1.6	1575	1	US-08-752-929-13	Sequence 18, Appl
22	17	1.6	1824	3	US-08-948-564-13	Sequence 13, Appl
23	17	1.6	2028	4	US-08-295-564-13	Sequence 1, Appl1
24	17	1.6	2028	4	US-09-343-361-1	Sequence 1, Appl1
25	17	1.6	2028	5	PCT-US93-01959-1	Sequence 1, Appl1
26	17	1.6	2469	4	US-09-111-730-5	Sequence 5, Appl1
27	17	1.6	2736	4	US-08-617-785-1	Sequence 1, Appl1

28	17	1.6	4325	1	US-08-453-924-2	Sequence 2, Appl1
29	17	1.6	4325	1	US-08-471-791-29	Sequence 29, Appl
30	17	1.6	4325	5	PCT-US91-01746-29	Sequence 29, Appl
31	17	1.6	5975	1	US-08-920-812-23	Sequence 23, Appl
32	17	1.6	5975	1	US-08-920-827-23	Sequence 23, Appl
33	17	1.6	5975	1	US-08-921-177-23	Sequence 23, Appl
34	17	1.6	5975	1	US-08-362-577C-23	Sequence 23, Appl
35	17	1.6	5975	2	US-08-920-828-23	Sequence 23, Appl
36	17	1.6	6854	1	US-08-468-036-4	Sequence 4, Appl1
37	17	1.6	6854	2	US-08-376-843-4	Sequence 4, Appl1
38	17	1.6	12732	4	US-09-060-756-1	Sequence 1, Appl1
39	17	1.6	37895	1	US-08-375-709-1	Sequence 1, Appl1
40	17	1.6	37895	1	US-08-752-929-1	Sequence 1, Appl1
41	17	1.6	37895	3	US-09-090-793-1	Sequence 1, Appl1
42	16	1.5	24	3	US-08-594-452-87	Sequence 87, Appl
43	16	1.5	24	3	US-09-258-408-87	Sequence 87, Appl
44	16	1.5	28	3	US-08-594-452-89	Sequence 89, Appl
45	16	1.5	28	3	US-09-258-408-89	Sequence 89, Appl

ALIGNMENTS

RESULT 1
US-09-088-549-2
; Sequence 2, Application US/09088549
; Patent No. 6231853
; GENERAL INFORMATION:
; APPLICANT: HILMAN, JENNIFER L.
; APPLICANT: CORLEY, NEIL C.
; APPLICANT: PATTERSON, CHANDRA
; TITLE OF INVENTION: HUMAN GLUTATHIONE PEROXIDASE-6
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/088,549
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0530 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1072 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNOT20
; CLONE: 1817518
; US-09-088-549-2

Query Match 100.0%; Score 1072; DB 4; Length 1072;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1072; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 GAGCGCCGACCTCCGGAACAGCCATGGTGGGGGAGCGAGCGGCGGCGTGGCT 60
    |||
DB 1 GAGCGCCGACCTCCGGAACAGCCATGGTGGGGGAGCGGCGGCGTGGCT 60
OY 61 CCTGTGGGCTGCGGCTGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
    |||
DB 61 CCTGTGGGCTGCGGCTGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
OY 121 CATCCGGGGGCAAACTGGTGGTGGAGAGAGTACCGGAGATCGGTGCTGCTGGA 180
    |||
DB 121 CATCCGGGGGCAAACTGGTGGTGGAGAGAGTACCGGAGATCGGTGCTGCTGGA 180
OY 181 TGTGGCCAGAGAGTGGGGCTTACAGACAGACACTACCGAGCCCTGACAGAGCTGACG 240
    |||
DB 181 TGTGGCCAGAGAGTGGGGCTTACAGACAGACACTACCGAGCCCTGACAGAGCTGACG 240
OY 241 AGACCTGGGCCCCACACCTTCAACGTGCTGCGCTTCCCTGACACCAAGTTTGGCCACA 300
    |||
DB 241 AGACCTGGGCCCCACACCTTCAACGTGCTGCGCTTCCCTGACACCAAGTTTGGCCACA 300
OY 301 GAGGCTGACAGCAAGAGAGAGTGTAGAGCTTGGCTGCGGAGCTACAGTGTCTCAT 360
    |||
DB 301 GAGGCTGACAGCAAGAGAGAGTGTAGAGCTTGGCTGCGGAGCTACAGTGTCTCAT 360
OY 361 CCCCATGTTTAGCAAGATTGCACTACCGGTAAGTGGCTGCTGCTGCTGCTGCTGCTGCT 420
    |||
DB 361 CCCCATGTTTAGCAAGATTGCACTACCGGTAAGTGGCTGCTGCTGCTGCTGCTGCTGCT 420
OY 421 GGGCCAGACTTCTGGAGAGAGAGCCACCTGTGAACCTTGTGAAGTACCTAGTACCCGAGA 480
    |||
DB 421 GGGCCAGACTTCTGGAGAGAGAGCCACCTGTGAACCTTGTGAAGTACCTAGTACCCGAGA 480
OY 481 TGGAAAGGTGGTGGGGGCTTGGAGACCACTGTGTCAGTGGAGAGAGTACAGTCCAGAT 540
    |||
DB 481 TGGAAAGGTGGTGGGGGCTTGGAGACCACTGTGTCAGTGGAGAGAGTACAGTCCAGAT 540
OY 541 CACAGGCTGCTGAGAGAGAGCTATCTACTGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
    |||
DB 541 CACAGGCTGCTGAGAGAGAGCTATCTACTGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
OY 601 CCTCTCCACACCTATCCCGCCACCTGTGTGGGGCTGTACCAATGCAAACTCAATG 660
    |||
DB 601 CCTCTCCACACCTATCCCGCCACCTGTGTGGGGCTGTACCAATGCAAACTCAATG 660
OY 661 TGGTCAAAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
    |||
DB 661 TGGTCAAAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
OY 721 CATTTCTTGGGGGAAATTTAGTATTTTGAATTTTGAATCTTACAGCAAAATAG 780
    |||
DB 721 CATTTCTTGGGGGAAATTTAGTATTTTGAATTTTGAATCTTACAGCAAAATAG 780
OY 781 GAATCTCTGGCCAAAGAGAGCTTGTACCAAGTGAATCACCAGCGATGACAGAGCTGTGC 840
    |||
DB 781 GAATCTCTGGCCAAAGAGAGCTTGTACCAAGTGAATCACCAGCGATGACAGAGCTGTGC 840
OY 841 CAACCAAAATGTGGCAATAGAGTATATCAAGCAATATCTCCACCCAGGCTTCT 900
    |||
DB 841 CAACCAAAATGTGGCAATAGAGTATATCAAGCAATATCTCCACCCAGGCTTCT 900
OY 901 GTAACCTGGGACCAATGATTACCTCATAGGGCTGTGTGAGATTTGAGATTAATCT 960
    |||
DB 901 GTAACCTGGGACCAATGATTACCTCATAGGGCTGTGTGAGATTTGAGATTAATCT 960
OY 961 TGAAGTGGCTTGGAGAGAGTCCAGCAAAATAGAGAGAGATTTCAATGAACATTTTTCATAT 1020
    |||
DB 961 TGAAGTGGCTTGGAGAGAGTCCAGCAAAATAGAGAGAGATTTCAATGAACATTTTTCATAT 1020
OY 1021 AAACCAAAATTAATCTTTATCAATAAACCTGATCCACATGAATTTTC 1072
    |||
```

```
DB 1021 AAACCAAAATTAATCTTTATCAATAAACCTGATCCACATGAATTTTC 1072
RESULT 2
US-07-923-739-1
; Sequence 1, Application US/07923739
; Patent No. 5401835
; GENERAL INFORMATION:
; APPLICANT: Chishli, Athar H.
; TITLE OF INVENTION: Human Erythroid p55 and Methods of Use
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey and Pierce
; STREET: 5445 Corporate Drive
; CITY: Troy
; STATE: Michigan
; COUNTRY: US
; ZIP: 48098
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/923,739
; FILING DATE: 19920731
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lewak, Anna M
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (313) 641-1600
; TELEFAX: (313) 641-0270
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2000 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 115..1512
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /product= "protein"
; OTHER INFORMATION: /evidence= EXPERIMENTAL
; OTHER INFORMATION: /note= "Polyadenylation consensus sequence is at
; OTHER INFORMATION: nucleic acid residues 1982-1987. Amino acid
; OTHER INFORMATION: residues 165-233 represent the SH-3 motif."
; PUBLICATION INFORMATION:
; AUTHORS: Andrali, Khurshid
; AUTHORS: Rana, Ajay
; AUTHORS: Keeler, Marilyn
; AUTHORS: Malouf, George
; AUTHORS: Bruns, Gail
; AUTHORS: Chishli, Athar
; TITLE: Human erythroid p55: Homolog of Drosophila
; TITLE: tumor suppressor factor is highly conserved
; TITLE: X-linked gene product with guanylate kinase
; TITLE: activity
; JOURNAL: J. Biol. Chem.
; DATE: 1992
; PUBLICATION INFORMATION:
; AUTHORS: Ruff, Paul
; AUTHORS: Speicher, David W.
; AUTHORS: Husain-Chishli, A.
; TITLE: Molecular identification of a major
; TITLE: palmitoylated erythrocyte membrane protein
; TITLE: containing the src homology 3 motif
; JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
; VOLUME: 88
; PAGES: 6595-6599
; DATE: August-1991
; RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2000
```

PUBLICATION INFORMATION:
 ; AUTHORS: Husain-Chishti, Athar
 ; AUTHORS: Fagun, William
 ; AUTHORS: Wu, Chi-Chih
 ; AUTHORS: Branton, Daniel
 ; TITLE: Purification of Erythrocyte of Dematin
 ; TITLE: (Protein 4.9) Reveals an Endogenous Protein Kinase
 ; TITLE: That Modulates Actin-bundling Activity
 ; JOURNAL: J. Biol. Chem.
 ; VOLUME: 264
 ; ISSUE: 15
 ; PAGES: 8985-8991
 ; DATE: 5-25-1989
 ; US-07-923-739-1

Query Match 1.8%; Score 19; DB 1; Length 2000;
 Best Local Similarity 100.0%; Pred. No. 6.7;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 220 AGCCCTGCAGACGCTGCAG 238
 |||||
 DB 1344 AGCCCTGCAGACGCTGCAG 1362

RESULT 3
 US-09-103-840A-2
 ; Sequence 2, Application US/09103840A
 ; Patent No. 6294338
 ; GENERAL INFORMATION:
 ; APPLICANT: FLEISCHMAN, Robert D.
 ; APPLICANT: WHITE, Owen R.
 ; APPLICANT: FRASER, Claire M.
 ; APPLICANT: VENTER, John C.
 ; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
 ; FILE REFERENCE: 24366-20007.00
 ; CURRENT APPLICATION NUMBER: US/09/103,840A
 ; CURRENT FILING DATE: 1998-06-24
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: Patentln Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 4403765
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; FEATURE:
 ; OTHER INFORMATION: CDC 1551
 ; OTHER INFORMATION: "n" bases at various positions throughout the sequence
 ; US-09-103-840A-2

Query Match 1.8%; Score 19; DB 4; Length 4403765;
 Best Local Similarity 100.0%; Pred. No. 5.5;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 221 GCCCTGCAGACGCTGCAGC 239
 |||||
 DB 3232175 gccctgcagacgctgcagc 3232193

RESULT 4
 5198542-1
 ; Patent No. 5198542
 ; APPLICANT: ONDA, HARUO;ARIMURA, AKIRA;KIMURA, CHIHARU
 ; KITADA, CHIEKO
 ; TITLE OF INVENTION: DNA ENCODING A PITUITARY ADENYLATE CYCLASE
 ; ACTIVATING PROTEIN AND USE THEREOF
 ; NUMBER OF SEQUENCES: 16
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/540,105
 ; FILING DATE: 10-JUN-1990
 ; SEQ ID NO:1:

LENGTH: 1763
 5198542-1

Query Match 1.7%; Score 18; DB 6; Length 1763;
 Best Local Similarity 100.0%; Pred. No. 20;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 90 AGCAGACTCTCTACGACT 107
 |||||
 DB 725 agcagactctctacgact 742

RESULT 5
 US-08-864-038A-1/C
 ; Sequence 1, Application US/08864038A
 ; Patent No. 6001592
 ; GENERAL INFORMATION:
 ; APPLICANT: KUNIO NAKASHIMA et al.
 ; TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
 ; TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
 ; TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
 ; TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBOD
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: 812-5 Hirano
 ; STREET: Isshinden
 ; CITY: Tsu-city
 ; STATE: Mie-prefecture
 ; COUNTRY: JAPAN
 ; ZIP: 514-01
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
 ; OPERATING SYSTEM: Microsoft Windows 95
 ; SOFTWARE: Word Perfect 6.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/864,038A
 ; FILING DATE: May 28, 1997
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: JP 8-184459
 ; FILING DATE: 15-July-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: C. Bruce Hamburg
 ; REGISTRATION NUMBER: 22,389
 ; REFERENCE/DOCKET NUMBER: F-5610
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)986-2340
 ; TELEFAX: (212)953-7733
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2214
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; ORIGINAL SOURCE:
 ; ORGANISM: Pinctada fucata
 ; CELL TYPE: mantle epithelial cell
 ; US-08-864-038A-1

Query Match 1.7%; Score 18; DB 3; Length 2214;
 Best Local Similarity 100.0%; Pred. No. 20;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 599 CTCCTCTCCACGACCTC 616
 |||||
 DB 1039 CTCCTCTCCACGACCTC 1022

RESULT 6
 US-08-146-421-4

Sequence 4, Application US/08146421
Patent No. 5543499
GENERAL INFORMATION:
APPLICANT: BREMER, GARY
TITLE OF INVENTION: DNA SEQUENCE ENCODING A POLYPEPTIDE WITH
TITLE OF INVENTION: ANTI-TUMOR PROPERTIES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DILMORTH & BARRESE
STREET: 4350 LA JOLLA VILLAGE DRIVE, SUITE 300
CITY: SAN DIEGO
STATE: CALIFORNIA
COUNTRY: U.S.A.
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146,421
FILING DATE: 29-OCT-1993
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: PEPPER PH.D., FREDERICK W.
REGISTRATION NUMBER: 31,286
REFERENCE/DOCKET NUMBER: 489-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4410
TELEFAX: 619-453-2839
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2562 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 246..1106
US-08-146-421-4

Query Match 1.7%; Score 18; DB 1; Length 2562;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 AGCCATGTCGCGCGCAGC 39
|||||
DB 329 AGCCATGTCGCGCGCAGC 346

RESULT 7
US-08-864-038A-2/c
Sequence 2, Application US/08864038A
Patent No. 6001592
GENERAL INFORMATION:
APPLICANT: KUNIO NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: 812-5 Hirano
STREET: Isshinden
CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage

COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)986-2340
TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3331
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA to mRNA
ORIGINAL SOURCE:
ORGANISM: Pinctada fucata
CELL TYPE: mantle epithelial cell
FEATURE: mRNA
LOCATION: from 1 to 3331
IDENTIFICATION METHOD: E (by experiment)
US-08-864-038A-2

Query Match 1.7%; Score 18; DB 3; Length 3331;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 599 CTCCTCTCCACCCACCTC 616
|||||
DB 1088 CTCCTCTCCACCCACCTC 1071

RESULT 8
US-08-864-038A-4/c
Sequence 4, Application US/08864038A
Patent No. 6001592
GENERAL INFORMATION:
APPLICANT: KUNIO NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBOD
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: 812-5 Hirano
STREET: Isshinden
CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg

```

1 REGISTRATION NUMBER: 22,389
2 REFERENCE/DOCKET NUMBER: F-5610
3 TELECOMMUNICATION INFORMATION:
4 TELEPHONE: (212)986-2340
5 TELEFAX: (212)953-7733
6 INFORMATION FOR SEQ ID NO: 4:
7 SEQUENCE CHARACTERISTICS:
8 LENGTH: 3331
9 TYPE: nucleic acid
10 STRANDEDNESS: single
11 TOPOLOGY: linear
12 MOLECULE TYPE: cDNA to mRNA
13 ORIGINAL SOURCE:
14 ORGANISM: Plinctada fucata
15 CELL TYPE: mantle epithelial cell
16 FEATURE:
17 NAME/KEY: CDS
18 LOCATION: from 50 to 2263
19 IDENTIFICATION METHOD: P (by similarity to some other pattern)
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008

```

Query Match	1.7%	Score 18	DB 3	Length 3331
Best Local Similarity	100.0%	Pred. No. 20		
Matches 18	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Oy	599	CTCTCTCTCTCACACCTC	616	
Db	1088	CTCTCTCTCTCACACCTC	1071	

```

RESULT      9
: Sequence 200, Application US/09139802
US-09-139-802-200
: Patent No. 6180084
: GENERAL INFORMATION:
: APPLICANT: Ruoslahti, Erkki
: APPLICANT: Pasqualini, Renata
: TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
: TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
: TITLE OF INVENTION: Same
: FILE REFERENCE: P-LJ 3203
: CURRENT APPLICATION NUMBER: US/09/139,802
: CURRENT FILING DATE: 1998-08-25
: EARLIER APPLICATION NUMBER: 08/926,914
: EARLIER FILING DATE: 1997-09-10
: EARLIER APPLICATION NUMBER: 08/710,067
: EARLIER FILING DATE: 1996-09-10
: NUMBER OF SEQ. ID NOS: 226
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 200
: LENGTH: 3494
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (121)..(3024)
US-09-139-802-200

```

Query Match	Similarity	1.7%	Score	18	DB	4	Length	3454	
Best Local	Similarity	100.0%	Pred. No.	20					
Matches	18	Conservative	0	Mismatches	0	Indels	0	Gaps	0
QY	439	GGAGCCACCTGTGAACCTT	456						
Db	1395	ggagccacaccttgaactt	1412						

RESULT 10
PCT-US95-06726-1/c
; Sequence 1, Application PC/TUS9506726
; GENERAL INFORMATION:

APPLICANT:
 TITLE OF INVENTION: ligands for Induction of Antigen Specific
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 STATE STREET, suite 510
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Ascii text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/06726
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/253,783
 FILING DATE: 03 JUNE 1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandiragouras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: RPI-016PC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 39 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: oligonucleotide
 PCT-US95-06726-1

	Query Match	1.6%;	Score 17;	DB 5;	Length 39;
	Best Local Similarity	100.0%;	Pred. No. 66;		
	Matches 17;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	20 CAAGCCATGCTGGCGGC	36			
db	32 CAAGCCATGCTGGCGGC	16			

```

RESULT 11
US-09-188-930-101
Sequence 101, Application US/09188930A
Patent No. 6150502
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Orust, Rene
APPLICANT: Murison, James Greg
TITLE OF INVENTION: Compositions Isolated From Skin Cells
FILE REFERENCE: 11000.1011cl
CURRENT APPLICATION NUMBER: US/09/188,930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 101
LENGTH: 203
TYPE: DNA
ORGANISM: mouse
US-09-188-930-101

```

Query Match 1.6%; Score 17; DB 3; Length 203;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 969 CCTAGCAGTGCAGCC 985
Db 185 cctagcagtgccagcc 201

RESULT 12
US-08-569-147-75/c
; Sequence 75, Application US/08569147
; Patent No. 6180377
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: HUMANISED ANTIBODIES
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz MacKiewicz &
; ADDRESSEE: No. 6180377ris, LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,147
FILING DATE: 25-March-1996
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yalko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0047
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3439
TELEFAX: (215) 568-3100

INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 435 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 16..435
US-08-569-147-75

Query Match 1.6%; Score 17; DB 4; Length 435;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 CAAGCCATGTGGCGGC 36
Db 23 CAAGCCATGTGGCGGC 7

RESULT 13
US-08-555-678-41/c
; Sequence 41, Application US/08555678
; Patent No. 5763174
; GENERAL INFORMATION:
; APPLICANT: Nishikura, Kazuko
; TITLE OF INVENTION: RNA Editing Enzyme and Methods
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
FILING DATE:
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,459
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST499DUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206

INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 660 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-555-678-41

Query Match 1.6%; Score 17; DB 1; Length 660;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 288 AGTTTGCCACAGAG 304
Db 409 AGTTTGCCACAGAG 393

RESULT 14
US-08-454-557C-13/c
; Sequence 13, Application US/0845457C
; Patent No. 5830670
; GENERAL INFORMATION:

APPLICANT: de la Monte, Suzanne
TITLE OF INVENTION: Neutral Thread Protein Gene Expression and Detection
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/454,557C
FILING DATE: 30-MAY-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609,3840003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1443 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-454-557C-13

Query Match 1.6%; Score 17; DB 2; Length 1443;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1023 ACCAAAAAATACTGT 1039
|||||
DB 617 ACCAAAAAATACTGT 601

RESULT 15

US-08-340-426D-13/C
Sequence 13, Application US/08340426D
Patent No. 5948634
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
APPLICANT: Wands, Jack R.
TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
TITLE OF INVENTION: of Alzheimer's Disease
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,426D
FILING DATE: 14-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609,3840002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1443 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-340-426D-13

Query Match 1.6%; Score 17; DB 2; Length 1443;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1023 ACCAAAAAATACTGT 1039
|||||
DB 617 ACCAAAAAATACTGT 601

Search completed: August 25, 2002, 07:37:36
Job time: 5126 sec

Mon Aug 26 08:01:43 2002

us-09-811-118-2.oli.rni

Page 8